Project Design Phase – II
Technology Architecture

TEAM ID	PNT2022TMID27679
PROJECT NAME	PROJECT- SKILL/JOB RECOMMENDER

Technical Architecture:

The Deliverables shall include the architectural diagram as below and the information as per the table1 & table2
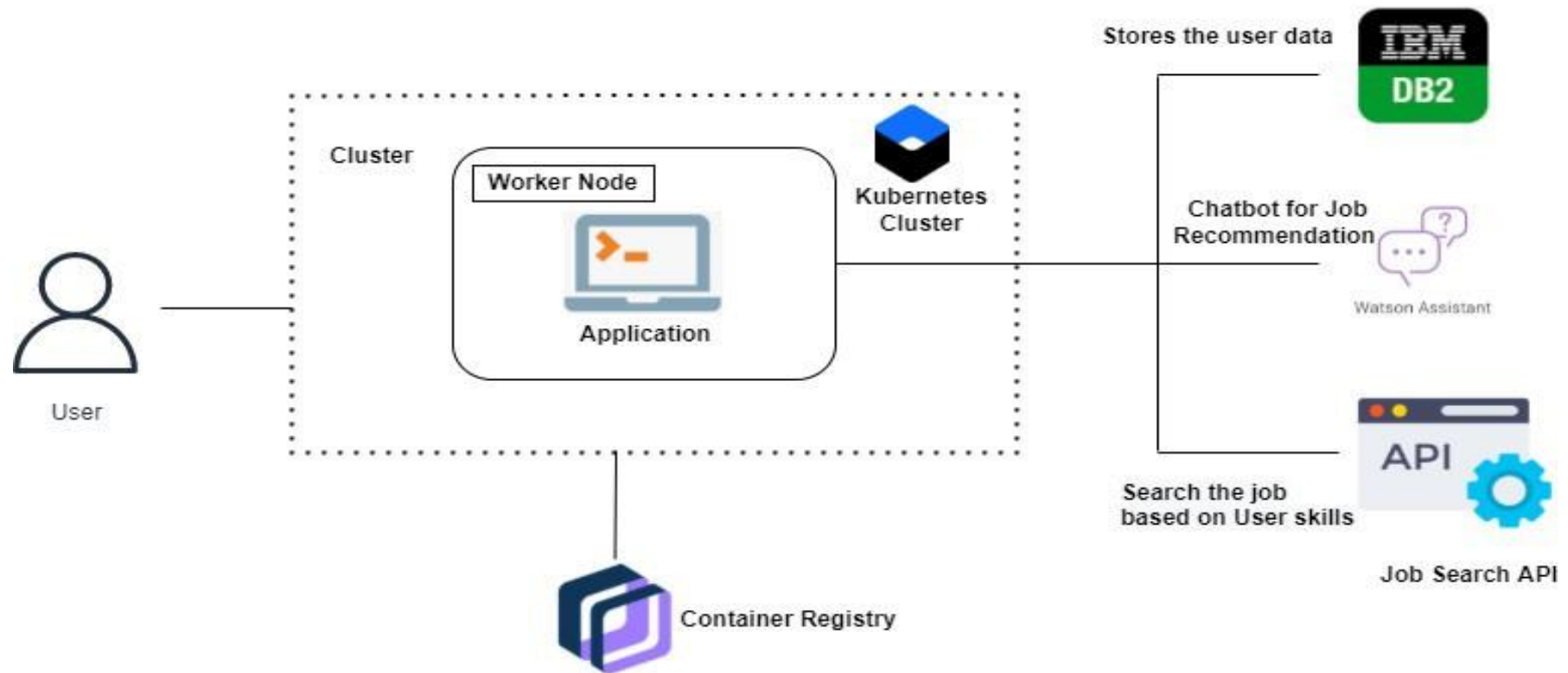
Table-1: Components &Technologies:

S.No	Components	Description	Technology
1	User Interface	How user interacts with application e.g. WebUI , Chatbot, etc.	HTML, CSS, JavaScript.
2	Developing Interface	Developing application for the task.	Java /Python.
3	Voice Assistance	Voice commands instead of typing.	IBM Watson STT service.
4	Chatbot Assistance	Conversational Interface.	IBM Watson Assistant.
5	Database	DataType, Configurations, etc.	MySQL, NoSQL, etc.
6	Cloud Database	Database Service on Cloud.	IBMDB2, IBMCloudant, etc.
7	FileStorage	Filestorage requirements.	IBM Block Storage or Other Storage Service or Local Filesystem.
8	Machine Learning Model	Purpose of Machine Learning Model.	Object Recognition Model, etc.
9	Infrastructure(Server/Cloud)	Application Deployment on Local System / CloudLocalServerConfiguration: CloudServerConfiguration.	Local, CloudFoundry, Kubernetes, etc.

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1	Open-Source Frameworks	List the open-source frameworks used.	Technology of Open-source framework.
2	Security Implementations	List all the security / access controls implemented ,use of firewalls etc.	e.g. SHA-256, Encryptions, IAMControls, OWASP, etc.
3	Scalable Architecture	Justify the scalability of architecture (3 – tier, Micro -services)	Artificial Intelligence (AI).
4	Availability	Justify the availability of application (e.g. use of load balancers, distributed servers etc.)	RAID(redundant array of independent disks)
5	Performance	Design consideration for the performance of the application(number of requests per sec , use of Cache, use of CDN's)etc.	DRAM or flashmemory.